

Abstract

1. A liquid cooling system having several cooling units (4), which are individually assigned to electronic component groups (1), which are housed in a rack (2) or switchgear cabinet and are to be cooled, and furthermore having a monitoring and control arrangement (9) for monitoring the cooling temperature. Effective cooling and temperature monitoring is obtained in that the cooling units (4) are embodied as liquid cooling units and are connected via branch points (5.1) to a common central liquid line system (5) integrated into the rack (2) or switchgear cabinet, and that the control and monitoring arrangement is embodied for monitoring the cooling temperature in the central liquid line system (5) and for emitting an error signal when a predetermined or predeterminable threshold temperature in a liquid return branch (5.3) is exceeded, or a predetermined or predeterminable threshold temperature difference between a temperature in an inlet branch (5.2) and a temperature in the return branch (5.3) is exceeded, or when the liquid flow falls below a predetermined or predeterminable threshold value (Fig. 1).